

● PRINTER RUSH ●

(PTO ASSISTANCE)

Application : <u>09/816119</u>	Examiner : <u>Couso</u>	GAU : <u>2625</u>
From: <u>PAP</u>	Location: <u>(IDC)</u> FMF FDC	Date: <u>6/7/05</u>

②

Tracking #: 06096227 Week Date: 4/18/05

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
<input type="checkbox"/> CLM	_____	<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW	_____	<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW	_____	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> DRW	<u>3/26/2001</u>	
<input type="checkbox"/> OATH	_____	
<input type="checkbox"/> 312	_____	
<input type="checkbox"/> SPEC	_____	

[RUSH] MESSAGE: Attention Chief Drafts person: Please provide a new set of Drawing sheets most sheets appear to have a stamp mark on top of the page.

Thank you.

[XRUSH] RESPONSE: _____

Drawing OK By DRAFTMAN

INITIALS: TD

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.
REV 10/04

FIG. 1

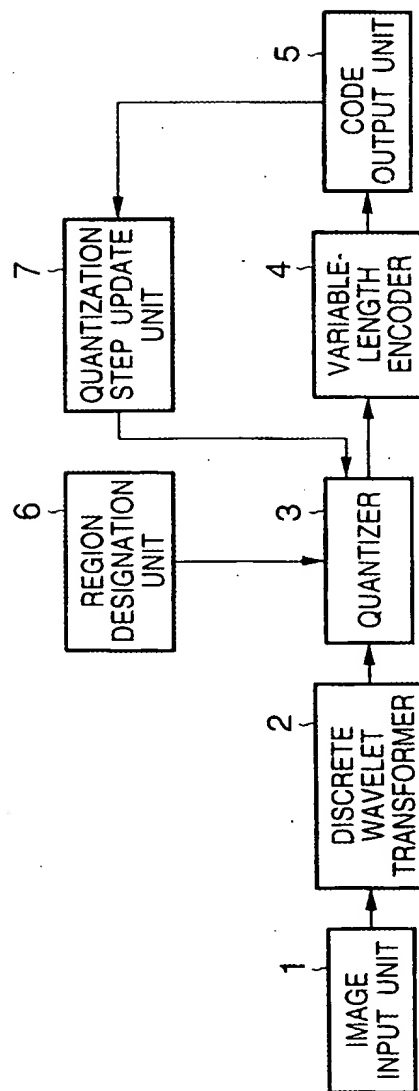
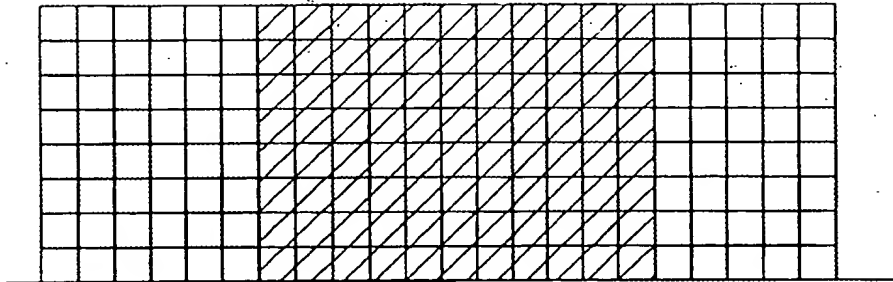
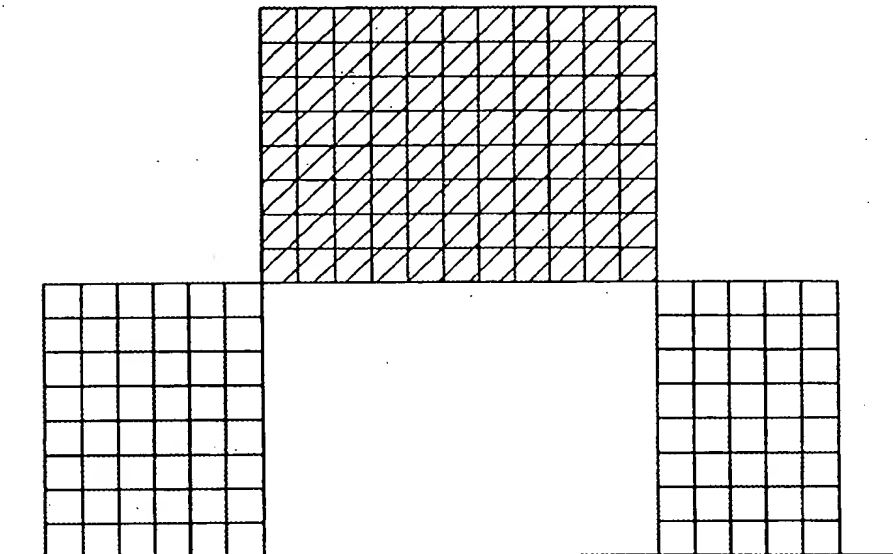
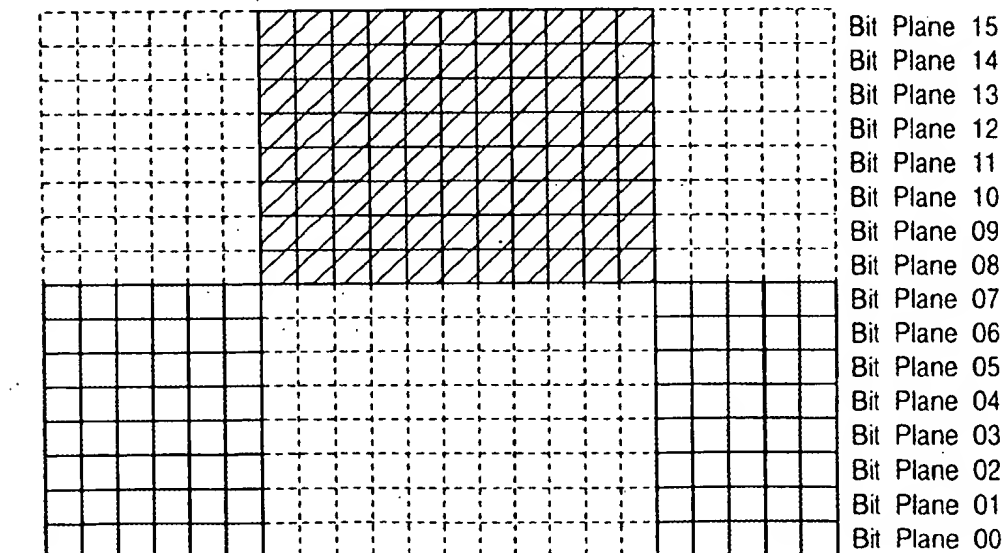


FIG. 2A**FIG. 2B****FIG. 2C**

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graph LR; 101[CODE INPUT DEVICE] --> 102[NON-ROI REGION CODE SIZE DETECTOR]; 102 --> 103[QUANTIZATION STEP CALCULATOR]; 103 --> 104[QUANTIZATION STEP OUTPUT DEVICE]; 103 --> 100[QUANTIZATION STEP DETECTOR]; 100 --> 101;
```

The diagram illustrates a system for quantization step detection and calculation. It consists of four main components: a CODE INPUT DEVICE (101), a NON-ROI REGION CODE SIZE DETECTOR (102), a QUANTIZATION STEP CALCULATOR (103), and a QUANTIZATION STEP OUTPUT DEVICE (104). The flow of data is as follows: the CODE INPUT DEVICE (101) sends data to the NON-ROI REGION CODE SIZE DETECTOR (102), which then sends data to the QUANTIZATION STEP CALCULATOR (103). The QUANTIZATION STEP CALCULATOR (103) sends data to the QUANTIZATION STEP OUTPUT DEVICE (104) and also sends data to the QUANTIZATION STEP DETECTOR (100). The QUANTIZATION STEP DETECTOR (100) sends data back to the CODE INPUT DEVICE (101).

FIG. 4

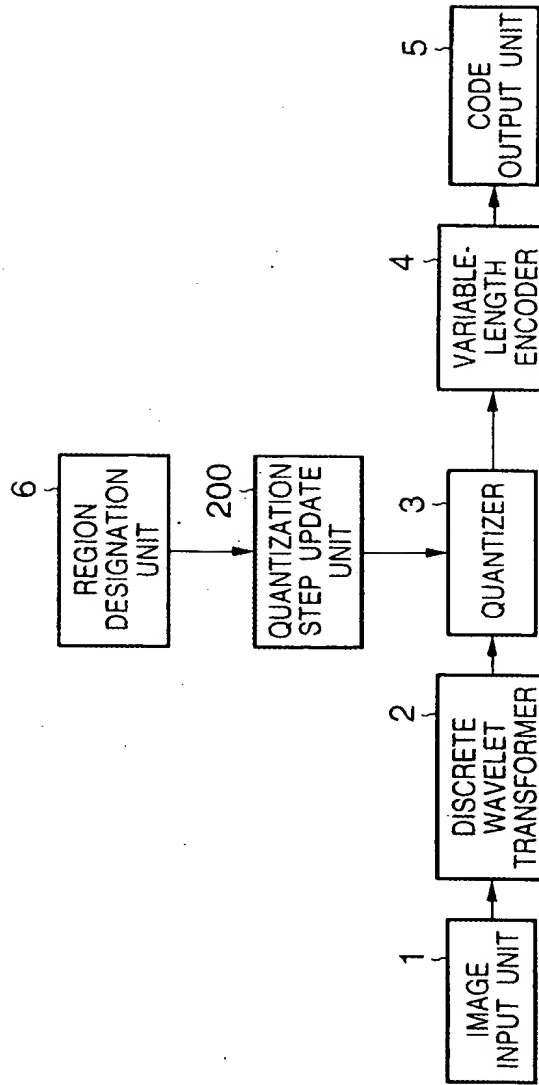
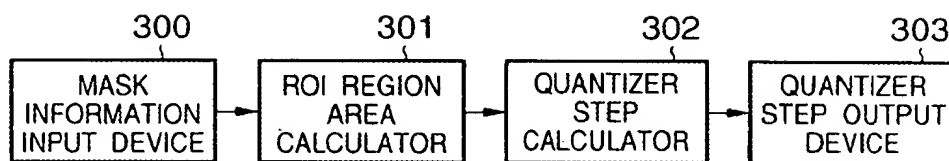
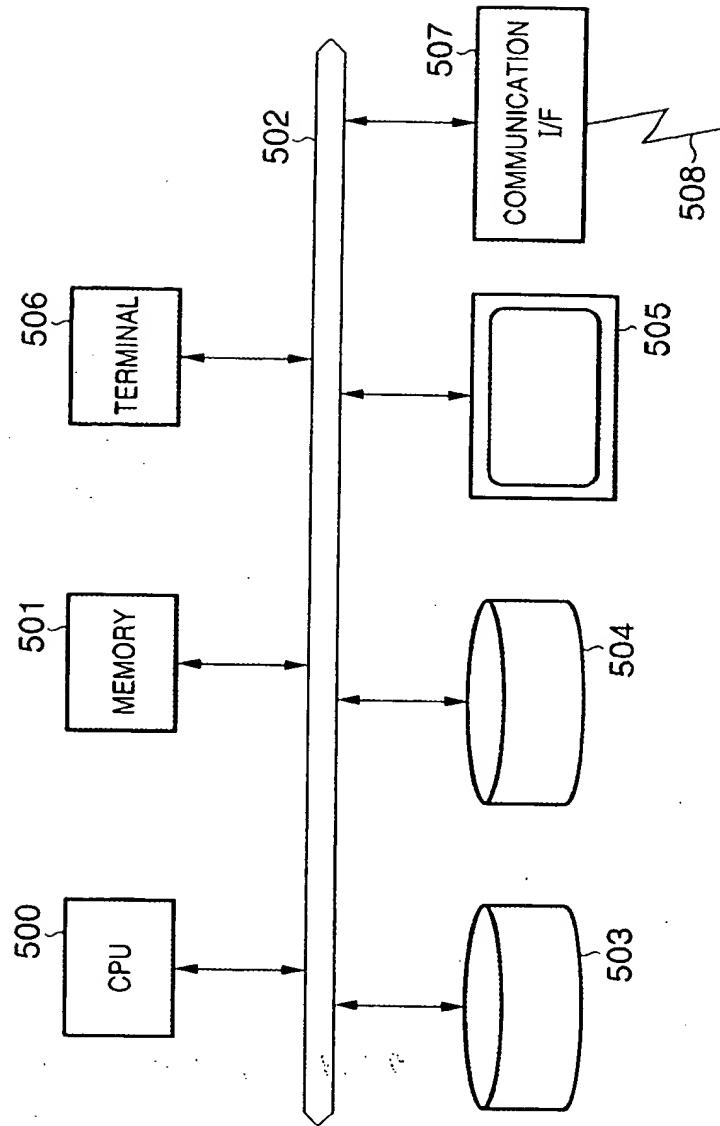


FIG. 5



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FIG. 6



CO
LO
CO
FO
CH
FO
FO
VO
+
CO
LU
RU
CH
CU
FO

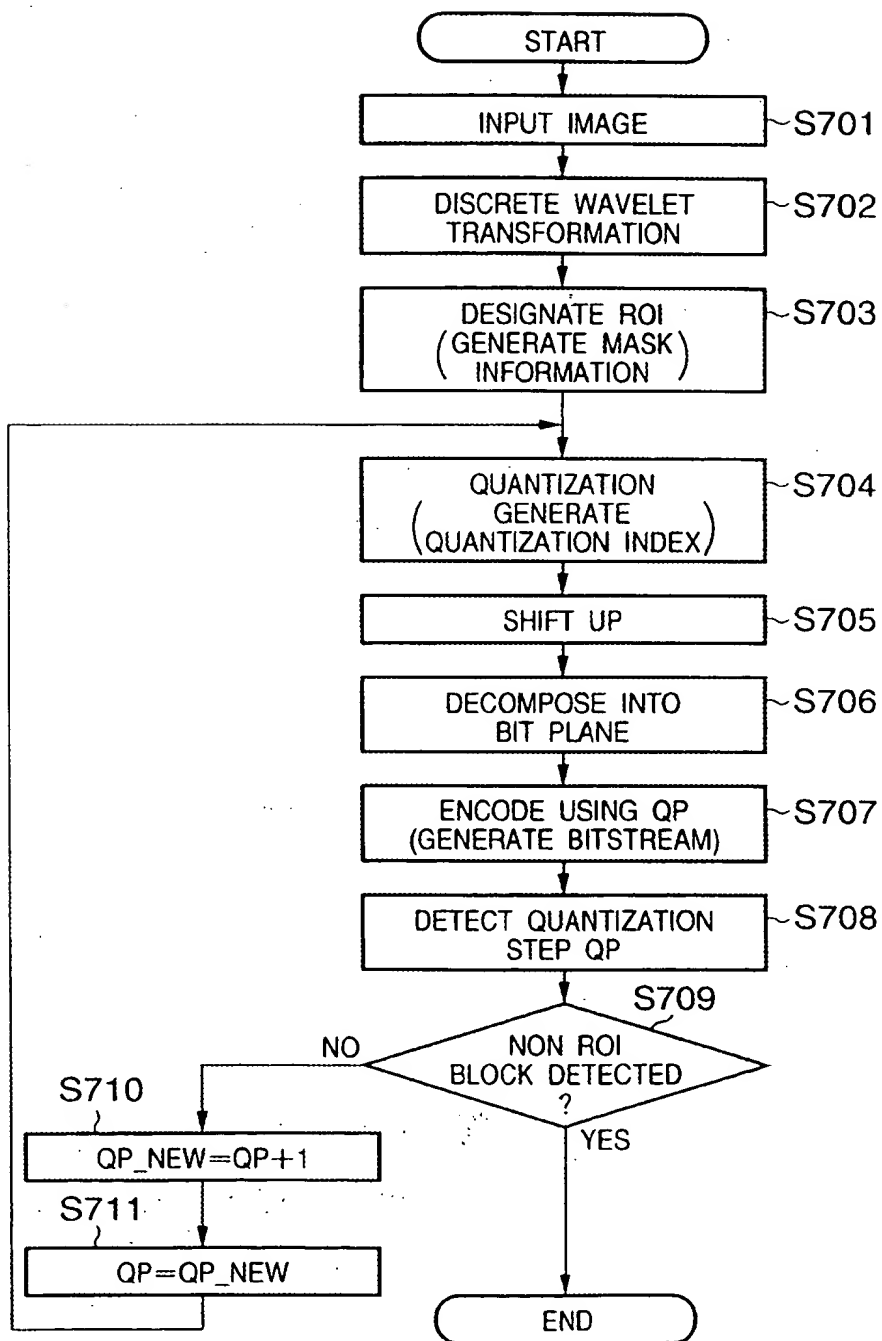
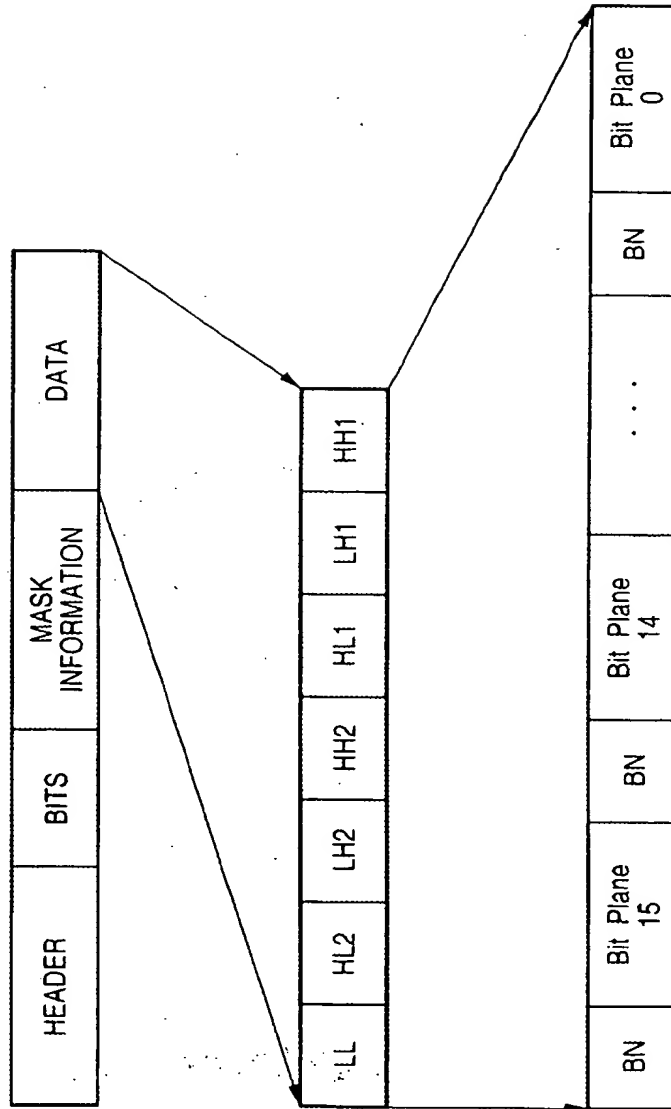


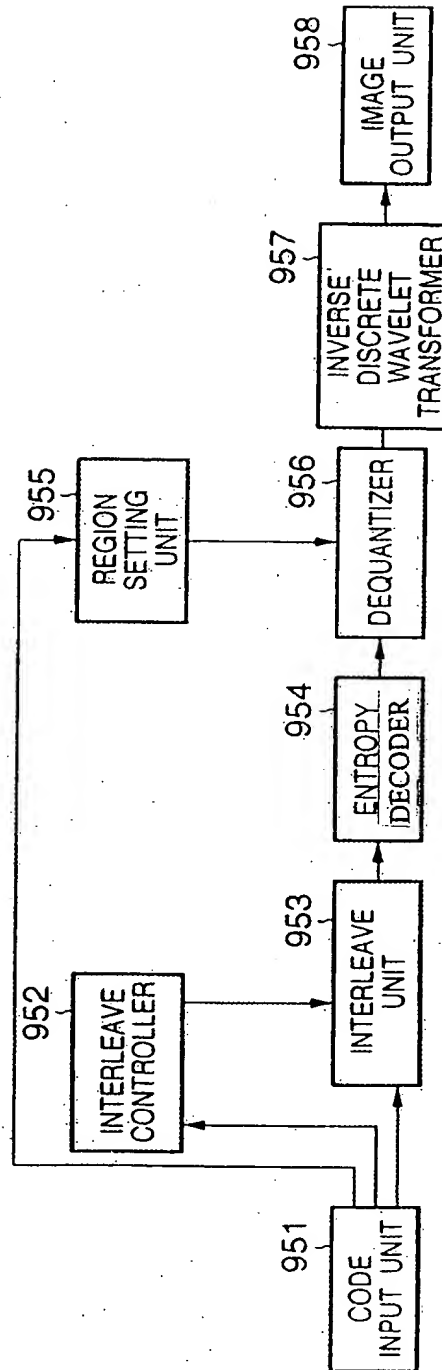
FIG. 8



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FIG. 9



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FIG. 10A

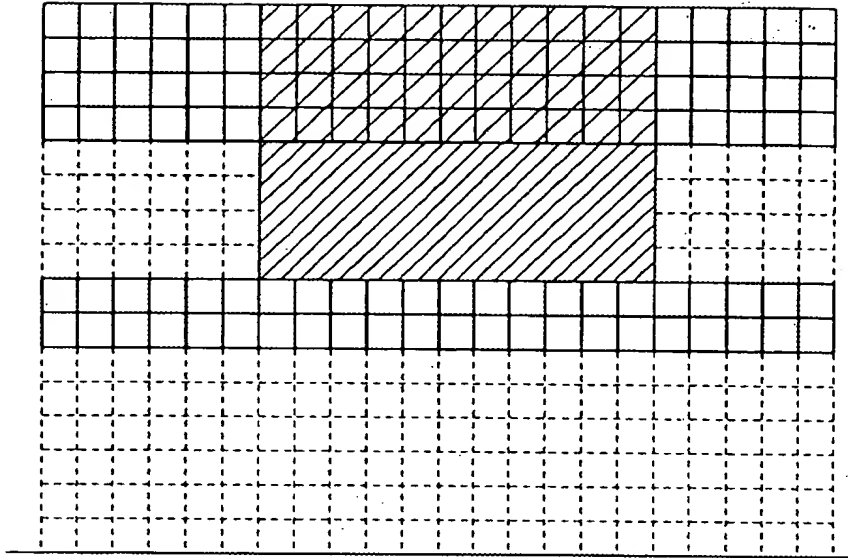


FIG. 10B

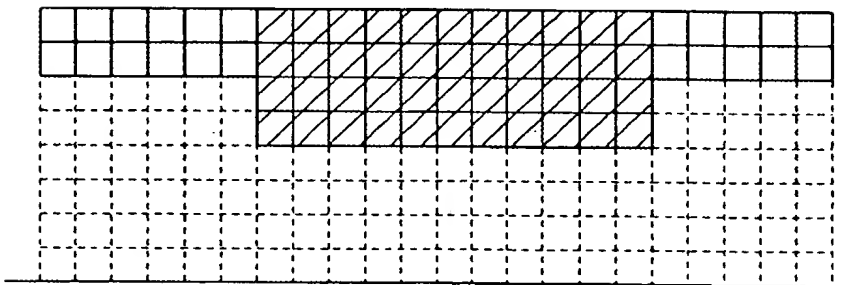
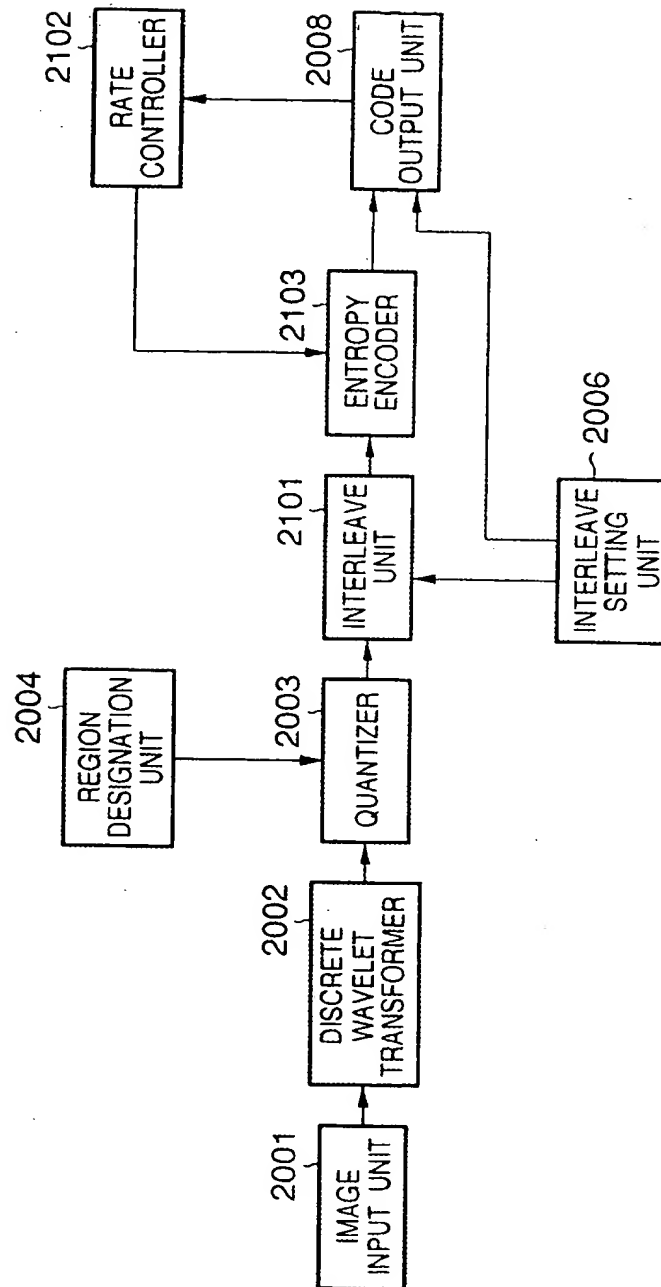


FIG. 11

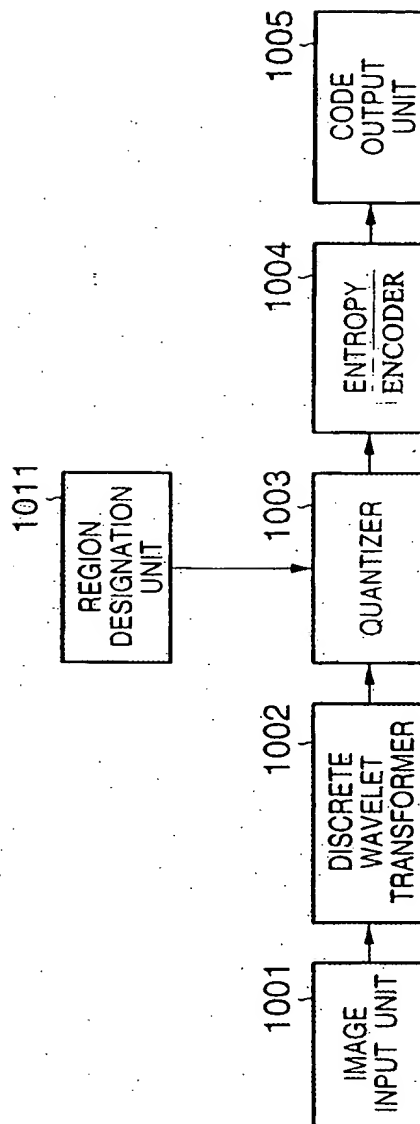




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PRIOR ART

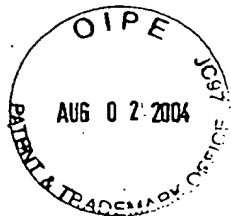
FIG. 12



Inventor: MITSURU MAEDA ET AL.
Appln. No.: 09/816,119 GAU: 2625
Filed: March 26, 2001
Confirmation No.:
SHEET 3 of 8

Reply to Office Action
Dated 3/29/04
Replacement Sheet

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PRIOR ART

FIG. 13

LL	HL2	HL1
LH2	HH2	
LH1		HH1

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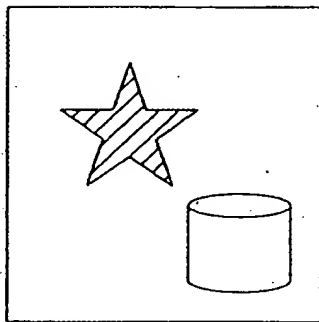
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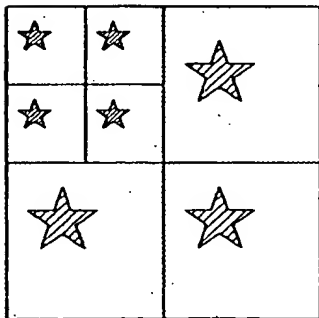
PRIOR ART

FIG. 14A



PRIOR ART

FIG. 14B

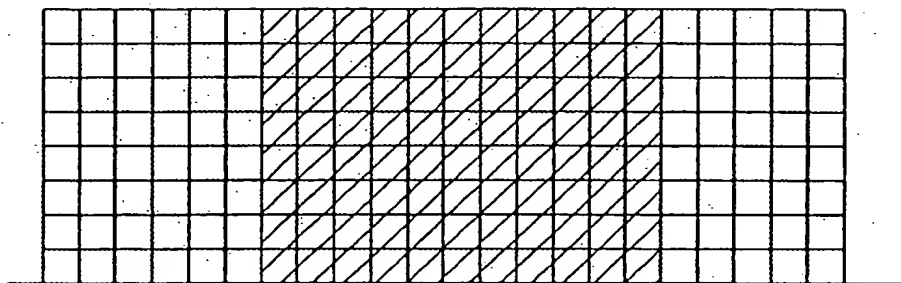




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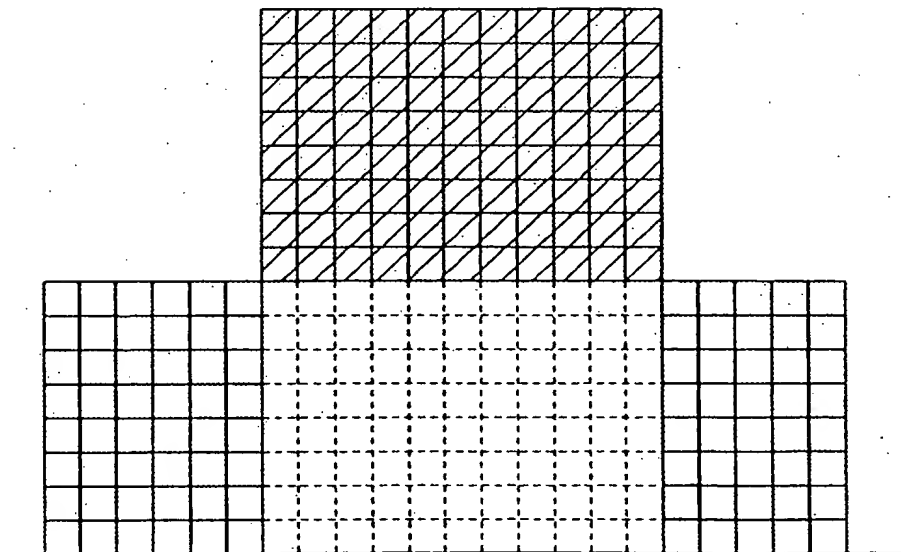
PRIOR ART

FIG. 15A



PRIOR ART

FIG. 15B

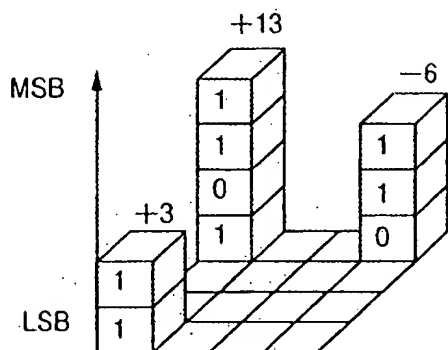




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PRIOR ART

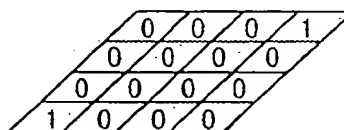
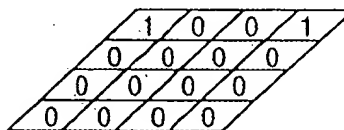
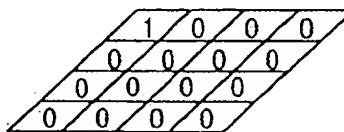
FIG. 16A



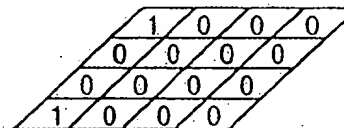
PRIOR ART

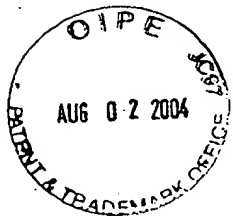
FIG. 16B

MSB



LSB

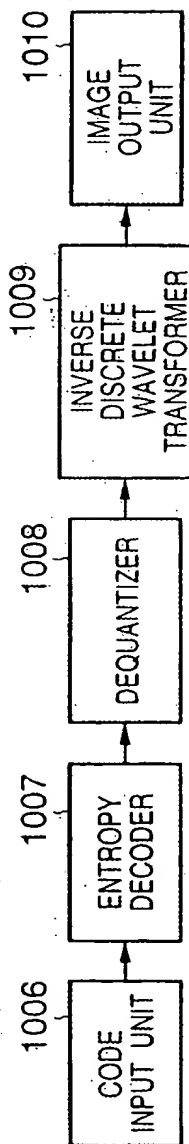




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PRIOR ART

FIG. 17





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PRIOR ART

FIG. 18A



PRIOR ART

FIG. 18B



PRIOR ART

FIG. 18C



FIG. 19

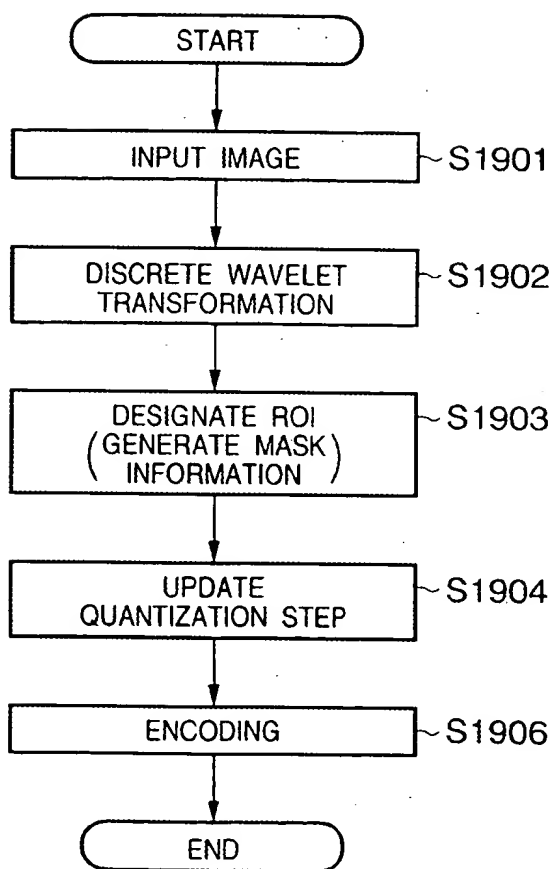


FIG. 20

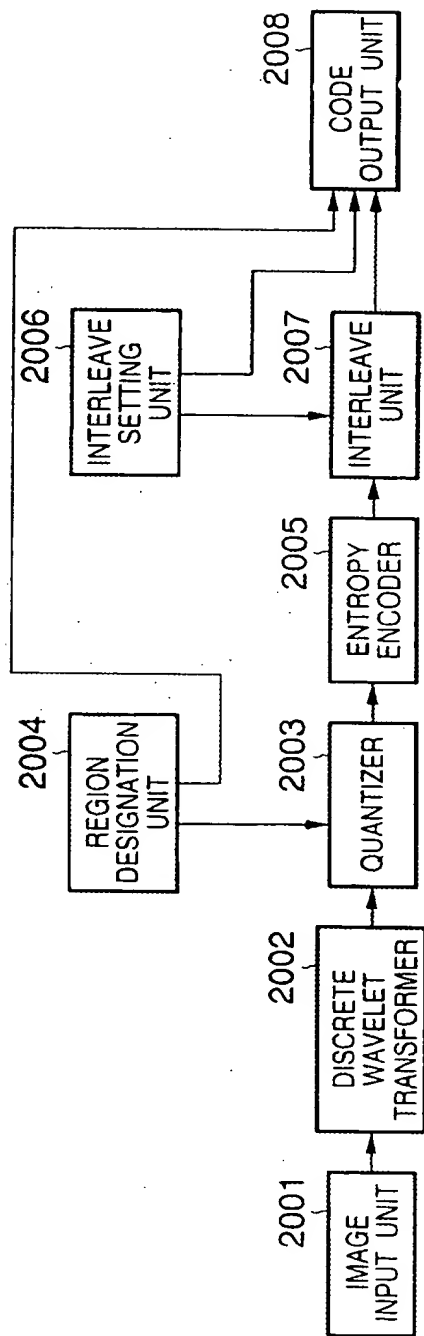


FIG. 21

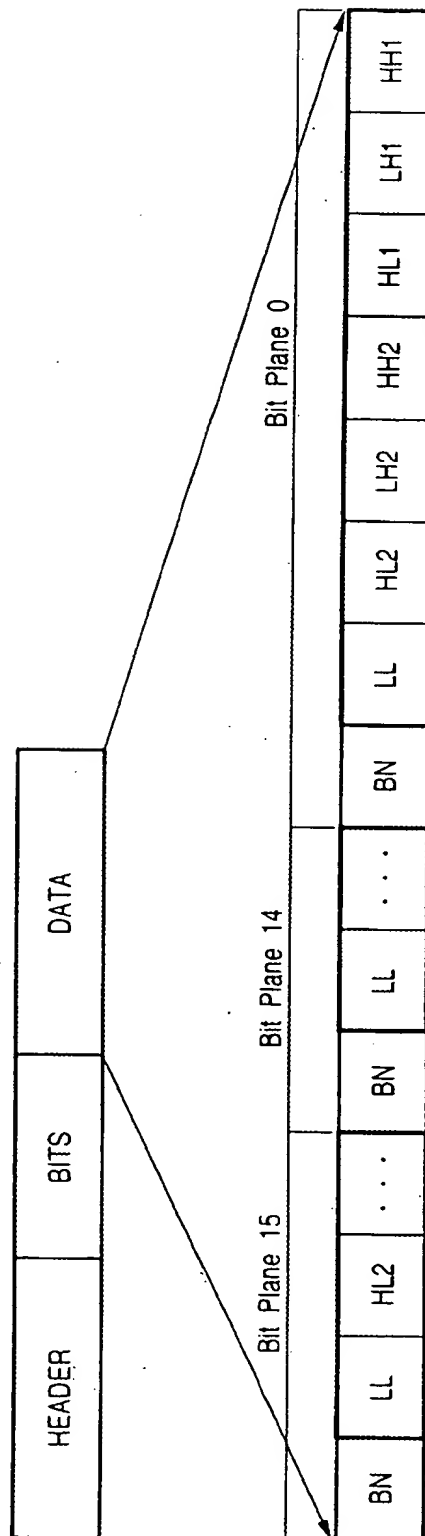


FIG. 22

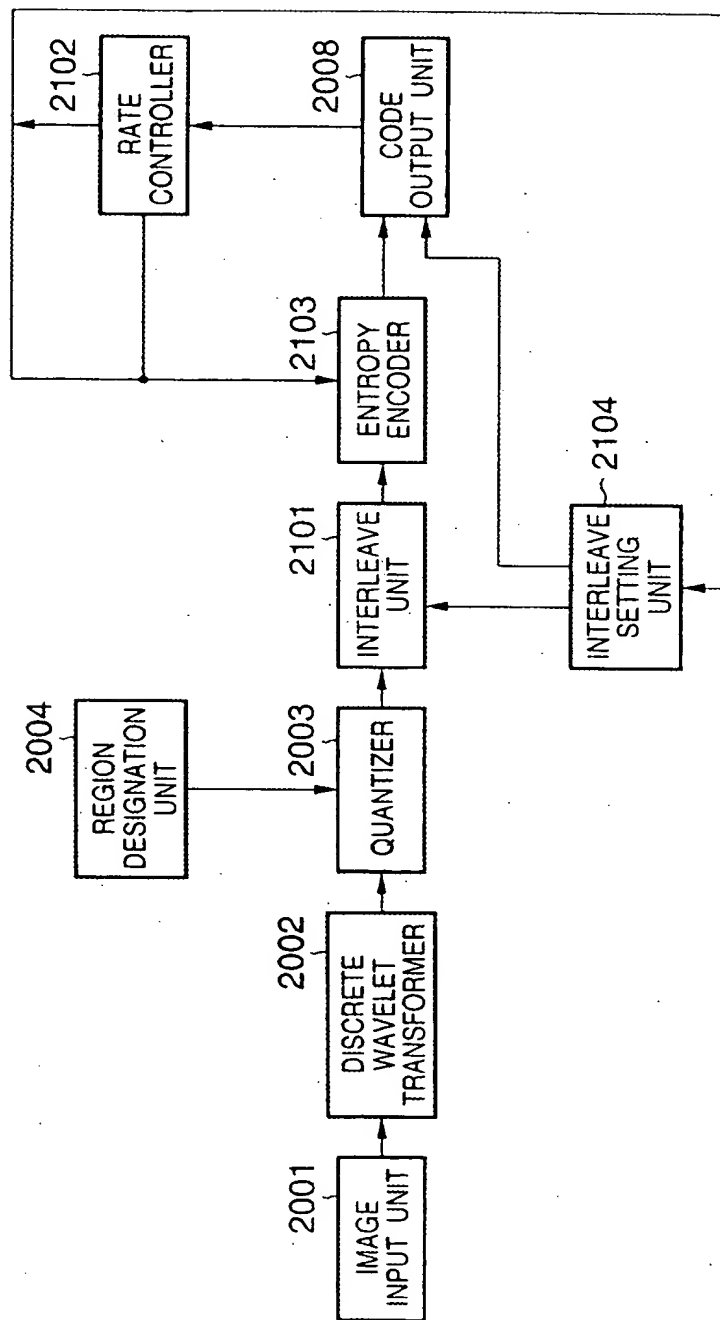
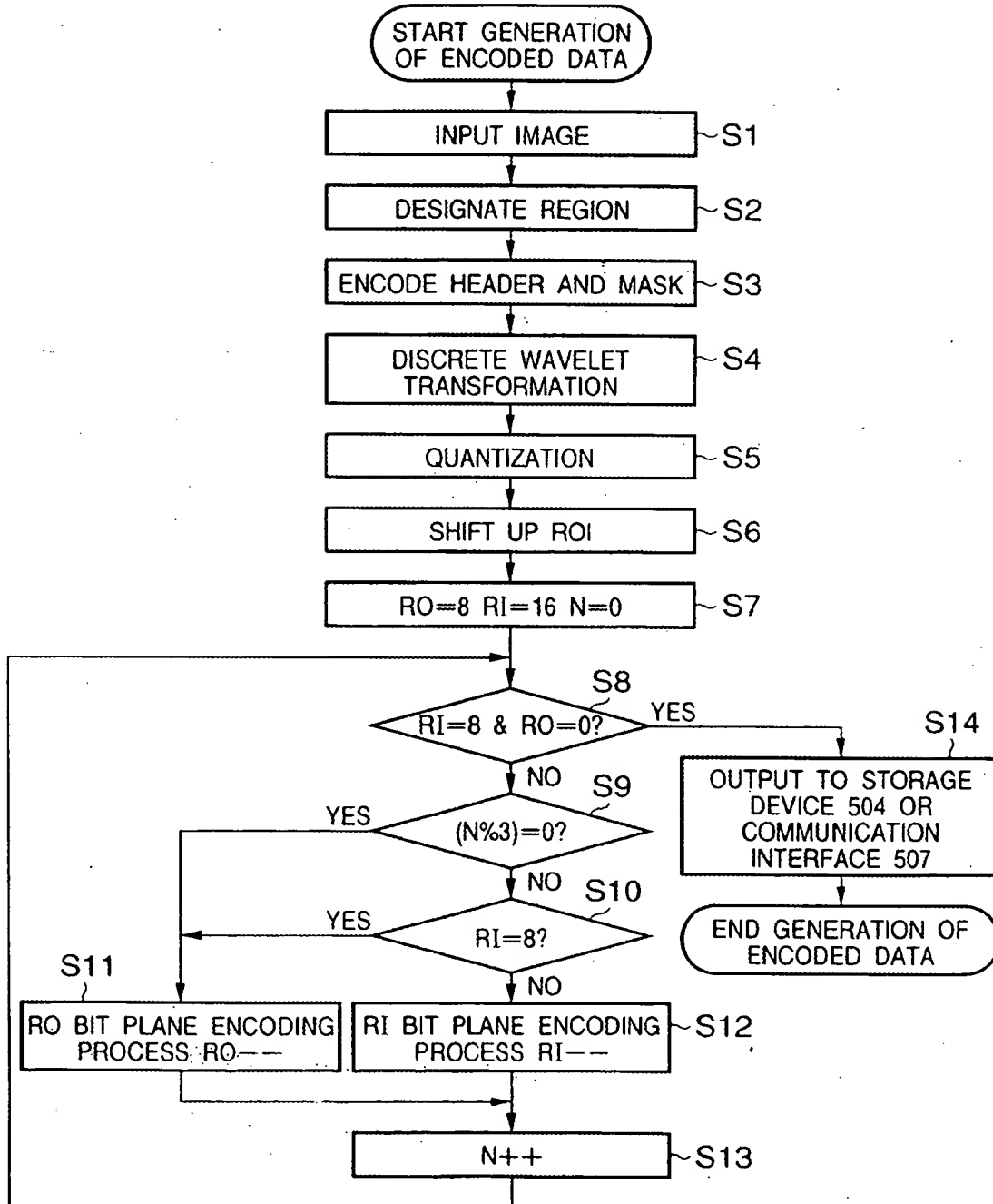


FIG. 23



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FIG. 24

